Sheet 1 of 2 sheet(s)

Docket No.	Serial No.
GLBL/015P2P1	10/690,973
Applicant .C. Abraham, et al.	Confirmation No.:
Filing Date	Group
10/22/2003	
	GLBL/015P2P1 Applicant C. Abraham, et al. Filing Date

	'		FAT & TRA	OC.				
U.S. Pater	t Docui	ments						
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date I Appropriate	f
/MB/	A1	4,527,278	07/02/85	Deconche et al.	375	97		
. /MB/	A2	5,090,028	02/18/92	Crebouw	375	106		
/MB/	A3	5,426,665	06/20/95	Cleverly et al.	375	200		
' /MB/	A4	5,694,416	12/02/1997	Johnson	375	206		
/MB/	A5	5,727,018	03/10/98	Wolf, et al.	375	210		
/MB/	A6	5,864,315	01/26/1999	Welles, II et al.	342	357		
/MB/	A7	5,901,171	05/04/1999	Kohli, et al.	375	200		
/MB/	A8	5,949,364	09/07/1999	Katzberg et al.	342	25		
/MB/	A9	6,289,041	09/11/01	Krasner	375	152		
/MB/	A10	6,292,132	09/18/2001	Wilson	342	357.02		
/MB/	A11	6,370,208	04/09/02	Kuo, et al.	375	343		
	A12							
	A13							
Foreign Pa	atent Do	ocuments						
*Examiner		Document Number	Date	Country	Class	Subclass	Transla	· · · · · · · · · · · · · · · · · · ·
will a	<u> </u>				<u> </u>		YES	NO
→ /MB/	B1	4,114,058	11/05/1992	DE	H04L	27/00		
/MB/	B2	0 488 739	06/03/1992	EPO	G01S	5/14		
/MB/	B3	0 526 040	02/03/93	EPO	G01S	5/14		
/MB/	B4	0 635 728	01/25/1995	EPO	G01S	5/14		
/MB/	B5	0 718 998	06/26/1996	EPO	H04J	13/02		
/MB/	B6	2,016,760	09/26/1979	GB	G06F	15/34		
/MB/	B7	97/14057	04/17/1997	WIPO	G01S	1/4		
/MB/	B8	97/40398	10/30/1997	WIPO	G01S	5/14		
/MB/	В9	98/02830	01/23/98	WIPO	G06F	17/15		
	B10							
	B11							
	B12							

Sheet 2 of 2 sheet(s)

U.S. Department of Commerce, Patent and Trademark Office	Docket No.	Serial No.
(PTO Form 1449 modified)	GLBL/015P2P1	10/690,973
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant C. Abraham, et al.	Confirmation No.:
(Use several sheets if necessary)	Filing Date	Group
Examiner	10/22/2003	

OTHER AF	RT						
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.					
. /MB/	C1	Wolfert, et al., "Rapid Direct P(Y)-Code Acquisition in a Hostile Environment," CONFERENCE: Institute of Navigation: Satellite Division-International technical meeting; 11th PROCEEDINGS OF ION GPS, 1998; VOL 11; NUMBER 1 P: 353-360 Alexandria, VA, Institute of Navigation, 1998					
• /MB/	C2	Lyusin, et al., "Fast Acquisition by Matched Filter Technique for GPS/GLONASS Receivers", CONFERENCE: Institute of Navigation: Satellite Division-International technical meeting; 11 <sup>th</sup> PROCEEDINGS OF ION GPS, 1998; VOL 11; NUMBER 1P: 307-316 Alexandria, VA, Institute of Navigation, 1998					
	СЗ						
Examiner	/Mc	ohsin Benghuzzi/	Date Considered 03/11/2007				
*EXAMINER	t: Initia	I if reference considered, whether or not citation is in confo	rmance with MPEP 609; Draw line through				

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Substitute for form 1449A/PTQ	Application Number	10/690,973	1
APR 1 3 2005	Filing Date	10/22/03	$\exists$
INFORMATION DESCLOSURE STATEMENT BY APPLIESANT	First Named Inventor	Abraham	
STATEMENT BY APPLIES NT	Group Art Unit	3662	٦
	Examiner Name		٦
(Use as many sheets as necessary)	Attorney Docket Number	GLBL-015P2P1	٦

Submission Date

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	U.S. PATENT DOCUMENTS								
Examiner Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where				
Initials*	No.¹	Number-Kind Code <sup>2 (If known)</sup> .	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear				
/MB/	A1	US-5,768,319	6/16/98	Durboraw, III					
/MB/.	A2	US-2002/0172306	11/21/02	Abraham, et al.					
/MB/	А3	US-2001/0048388	12/6/01	Falk, et al.					
	A4	US-							
	A5	US-							
	A6	US-							
	A7	US-							
	A8	US-		·					
	A9	US-							
	A10	US-							
	A11	US-							
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	A14	US-							
	A15	US-							
	A16	US-							
	A17	US-							
	A18	US-							

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>			
Initials*	No.'	Number-Kind Code <sup>2 (fl known)</sup>	MM-DD-YYYY	Applicant of Cited Document					
/MB/	B1	WO87/01540	3/12/87	Janc, et al.					
	B2								
	B3								
	B4								
	B5								

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PTO/SB05ag07-05
Approved for use through 7/202006. ONG DEST-003
US Patent & Tradumant Differ, U.S. (PS) And Company (Company Of Company Of Comp Complete if Known Substitute for form 1449A/PTO 10/690,973 **Application Number SECOND SUPPLEMENTAL Filing Date** October 22, 2003 **INFORMATION DISCLOSURE First Named Inventor** Abraham, Charles STATEMENT BY APPLICANT **Art Unit** 2611 (Use as many sheets as necessary) Patel, Jayanti K. **Examiner Name** Attorney Docket No: GLBL015P2P1 Sheet 3

	US PATENT DOCUMENTS							
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate			
/MB/	A1	US-2001048388	12/06/2001	Falk, Henry D., et al.	05/31/2001			
/MB/	A2	US-20020033767A1	03/21/2002	Krasner, N. F.	11/19/2001			
/MB/	A3	US-20020050944A1	05/02/2002	Sheynblat, L., et al.	11/13/2001			
/MB/	A4	US-4426712	01/17/1984	Gorski-Popiel, G.	05/22/1981			
/MB/	A5	US-4445118	04/24/1984	Taylor, Ralph E., et al.	05/22/1981			
/MB/	A6	US-4578678	03/25/1986	Hurd, W. J.	11/14/1983			
/MB/	Α7	US-4660164	04/21/1987	Leibowitz, L. M.	12/05/1983			
/MB/	A8	US-4811362	03/07/1989	Yester, Jr., Francis R., et al.	06/15/1987			
/MB/	A9	US-5117232	05/26/1992	Cantwell, R. H.	04/26/1991			
/MB/	A10	US-5148452	09/15/1992	Kennedy, H. L., et al.	12/31/1990			
/MB/	A11	US-5153598	10/06/1992	Alves, Jr., D. F.	09/26/1991			
/MB/	A12	US-5175557	12/29/1992	King, T. M., et al.	07/18/1991			
/MB/	A13	US-5185610	02/09/1993	Ward, P. W., et al.	08/20/1990			
/MB/	A14	US-5199050	03/30/1993	Linsky, S. T.	04/05/1991			
/MB/	A15	US-5216961	06/01/1993	Kaufmann, Hans	02/20/1992			
/MB/	A16	US-5237587	08/17/1993	Schoolcraft, R. W.	11/20/1992			
/MB/	A17	US-5293398	03/08/1994	Hamao, N., et al.	12/14/1992			
/MB/	A18	US-5369668	11/29/1994	Yamamoto, T.	09/28/1992			
/MB/	A19	US-5379224	-01/03/1995	Brown, A. K., et al.	11/29/1991			
/MB/	A20	US-5414729	05/09/1995	Fenton, P.	11/29/1993			
/MB/	A21	US-5579014	11/26/1996	Brooksby, G. W., et al.	01/20/1995			
/MB/	A22	US-5579338	11/26/1996	Kojima, T.	01/25/1994			
/MB/	A23	US-5600328	02/04/1997	Tachita, R., et al.	06/21/1995			
/MB/	A24	US-5610940	03/11/1997	Durrant, Randolph L., et al.	06/07/1995			
/MB/	A25	US-5629708	05/13/1997	Rodal, E. B., et al.	04/18/1996			
/MB/	A26	US-5644591	07/01/1997	Sutton, Todd R.	05/02/1996			
/MB/	A27	US-5663734	09/02/1997	Krasner, N. F.	05/08/1996			
/MB/	A28	US-5726659	03/10/1998	Kee, C., et al.	09/21/1995			
/MB/	A29	US-5729571	03/17/1998	Park, Jong-Hyeon et al.	06/29/1995			
/MB/	A30	US-5781543	07/14/1998	Ault, Jan et al.	08/29/1996			
/MB/	A31	US-5808582	09/15/1998	Woo, Richard K.	02/05/1997			
/MB/	A32	US-5809064	09/15/1998	Fenton, P., et al.	08/02/1996			
/MB/	A33	US-5812087	09/22/1998	Krasner, N. F.	02/03/1997			
/MB/	A34	US-5812593	09/22/1998	Kaku, T.	12/20/1995			
/MB/	A35	US-5828694	10/27/1998	Schipper, John F.	07/01/1996			
/MB/	A36	US-5859612	01/12/1999	Gilhousen, K. S.	06/06/1996			
/MB/	A37	US-5864315	01/26/1999	Welles, II, Kenneth B., et al.	04/07/1997			
/MB/	A38	US-5867219	02/02/1999	Kohiyama, Kiyoshi	12/11/1996			
	A39	US-5872774	02/16/1999	Wheatley, III, C. E., et al.	09/19/1997			
/MB/ /MB/	A40	US-5884214	03/16/1999	Krasner, N. F.	09/06/1996			

**EXAMINER** 

/Mohsin Benghuzzi/

DATE CONSIDERED

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PTC/SB/08aj(07-05)
Approved for use through 7/31/2006, OMB 0531-0031
and & Transmark Office; U.S. DEPARTMENT OF COMMERCE

Substitute	for form 1449A/I	то		Complete if Known		
				<b>Application Number</b>	10/690,973	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE			_	Filing Date	October 22, 2003	
	STATEMENT BY APPLICANT			First Named Inventor	Abraham, Charles	
	(Use as many sheets as necessary)		Art Unit	2611		
•			Examiner Name	Patel, Jayanti K.		
Sheet	2	of	3	Attorney Docket No: GLBL015P2P1		

	US PATENT DOCUMENTS							
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate			
/MB/	A41	US-5896304	04/20/1999	Tiemann, J. J., et al.	06/26/1997			
/MB/	A42	US-5897605	04/27/1999	Kohli, Sanjai et al.	04/25/1996			
/MB/	A43	US-5907578	05/25/1999	Pon, R. W., et al.	05/20/1996			
/MB/	A44	US-5909471	06/01/1999	Yun, Louis C.	08/08/1997			
/MB/	A45	US-5920278	07/06/1999	Tyler, G. L., et al.	05/28/1997			
/MB/	A46	US-5931893	08/03/1999	Dent, Paul W., et al.	11/11/1997			
/MB/	A47	US-5945948	08/31/1999	Buford, K. A., et al.	09/03/1996			
/MB/	A48	US-5952947	09/14/1999	Nussbaum, Howard S., et al.	09/09/1997			
/MB/	A49	US-5963264	10/05/1999	Jackson, Mark	10/30/1997			
/MB/	A50	US-5966402	10/12/1999	Yamamoto, Katsuya	11/18/1996			
/MB/	A51	US-5999562	12/07/1999	Hennedy, M., et al.	06/04/1998			
/MB/	A52	US-6002708	12/14/1999	Fleming, R. A., et al.	05/23/1997			
/MB/_	A53 ^	US-6005899	12/21/1999	Khayrallah, Ali S.	09/29/1997			
/MB/	A54	US-6034635	03/07/2000	Gilhousen, K. S.	06/06/1996			
/MB/	A55	US-6047017	04/04/2000	Cahn, C. R., et al.	07/25/1997			
/MB/	A56	US-6104340	08/15/2000	Krasner, N. F.	08/24/1998			
/MB/	A57	US-6111868	08/29/2000	Lee, J. H., et al.	07/29/1997			
/MB/	A58	US-6118808	09/12/2000	Tiemann, Jerome J., et al.	06/26/2000			
/MB/	A59	US-6121923	09/19/2000	King, T. M.	02/19/1999			
/MB/	A60	US-6133874	10/17/2000	Krasner, Norman F.	08/11/1998			
/MB/	A61	US-6151311	11/21/2000	Wheatley, III, C. E., et al.	01/27/1999			
/MB/	A62	US-6151353	11/21/2000	Harrison, Daniel D., et al.	06/26/1997			
/MB/	A63	US-6157891	12/05/2000	Lin, C.	02/01/1999			
/MB/	A64	US-6163567	04/27/1999	Hatch, Ronald R.	12/22/1998			
/MB/	A65	US-6181911	01/30/2001	Sih, G. C., et al.	09/09/1998			
/MB/	A66	US-6208291	03/27/2001	Krasner, N. F.	05/29/1998			
/MB/	A67	US-6208292	03/27/2001	Sih, G. C., et al.	09/09/1998			
/MB/	A68	US-6211820	04/03/2001	Zou, Q., et al.	09/09/1998			
/MB/	A69	US-6236354	05/22/2001	Krasner, N. F.	07/02/1998			
/MB/	A70	US-6239742	05/29/2001	Krasner, N. F.	04/17/2000			
/MB/	A71	US-6252543	06/26/2001	Camp, W. O.	05/19/1999			
/MB/	A72	US-6252629B1	06/26/2001	Takatori, Masahiro	12/10/1998			
/MB/	A73	US-6252863	06/26/2001	Raby, P., et al.	04/09/1996			
/MB/	A74	US-6256337	07/03/2001	Hendrickson, A. F., et al.	09/04/1998			
/MB/	A75	US-6272189	08/07/2001	Garin, L., et al.	02/01/1999			
/MB/	A76	US-6282248	08/28/2001	Farrow, Cecil W., et al.	07/14/1998			
/MB/	A77	US-6298083	10/02/2001	Westcott, David C., et al.	05/04/1999			
/MB/	A78	US-6307840	10/23/2001	Wheatley, III, C. E., et al.	01/16/1998			
/MB/	A79	US-6313786	11/06/2001	Sheynblat, L., et al.	02/01/1999			
/MB/	A80	US-6324227	11/27/2001	Kang, I., et al.	09/09/1998			

/Mohsin Benghuzzi/ **EXAMINER** 

DATE CONSIDERED

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Substitute	for form 1449A/	РТО		C	omplete if Known	
0500ND 011DDL 5145NT41				<b>Application Number</b>	10/690,973	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE				Filing Date	October 22, 2003	
	STATEMENT BY APPLICANT		First Named Inventor	Abraham, Charles		
		its as necessary)		Art Unit	2611	
	, , , , , , , , , , , , , , , , , , , ,		Examiner Name	Patel, Jayanti K.		
Sheet	3	of	3	Attorney Docket No: GLBL015P2P1		

	US PATENT DOCUMENTS								
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate				
/MB/	A81	US-6327473	12/04/2001	Soliman, S. S., et al.	09/08/1998				
/MB/	A82	US-6393046	05/21/2002	Kohli, S., et al.	04/25/1997				
/MB/	A83	US-6427122	07/30/2002	Lin, Ching-Fang	01/23/2001				
/MB/	A84	US-6433726	08/13/2002	Fan, Yiping	06/22/2001				
/MB/	A85	US-6441780	08/27/2002	Rog, Andrey L., et al.	09/05/2000				
/MB/	A86	US-6650692	11/18/2003	Inoue, T., et al.	08/29/2001				
/MB/	A87	US-6693953	02/17/2004	Cox, Earl C., et al.	09/30/1998				
/MB/	A88	US-6754256	06/22/2004	Kubo, Tokuro et al.	08/31/1999				
/MB/	A89	US-6804290	10/12/2004	King, Thomas M., et al.	05/26/2000				
/MB/	A90	US-6888849	05/03/2005	Daniels, William R.	06/15/2001				
/MB/	A91	US-6934317	08/23/2005	Dent, Paul W.	10/11/2000				

	FOI	REIGN PATENT	DOCUMENTS	
Examiner Foreign Document No Initials*		Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
/MB/	EP-1143652A2	10/10/2001	Vallo, H.	
/MB/	EP-1167993A2	01/02/2002	Katsuhiko, T., et al.	
/MB/	EP-1388241A	11/28/2002	Abraham, Charles et al.	
· /MB/	WO-0065751	11/02/2000	Abraham, Charles et al.	
/MB/	WO-0111381A1	02/15/2001	Geier, G. J., et al.	
/MB/	WO-0139698A1	06/07/2001	Phelts, R. E., et al.	
/MB/	WO-02096054	07/30/2003	Abraham, Charles et al.	

OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No '	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T		
/MB/	C1	Copy of PCT INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY of International Search Authority mailed 04-May-2006 for PCT Application Number PCT/US2004/034954			
/MB/	C2	Copy of INTERNATIONAL SEARCH REPORT mailed 25-Feb-2005 for PCT Application Number PCT/US2004/034954			

/Mohsin Benghuzzi/

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INFORMATION DISCLOSURE	Application Number		10690973	
	Filing Date		2003-10-22	
	First Named Inventor Abrah		aham, Charles	
STATEMENT BY APPLICANT ( Not for submission under 37 CFR 1.99)	Art Unit		2611	
(Not for Submission under 57 OFK 1.33)	Examiner Name Beng		enghuzzi, Mohsin M.	
	Attorney Docket Numb	er	GLBL015P2P1	

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/MB/	1	6304216	B1	2001-10	)-16	Gronemeyer, S					
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/Mohsin Benghuzzi/

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

Application Number		10690973		
Filing Date		2003-10-22		
First Named Inventor	Abrah	am, Charles		
Art Unit		2611		
Examiner Name	Bengl	nuzzi, Mohsin M.		
Attorney Docket Number		GLBL015P2P1		

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<sup>1</sup> See Kind Codes of USPTO Patent Documents at <a href="https://www.USPTO.GOV">www.USPTO.GOV</a> or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here in English language translation is attached.									